Figure 1

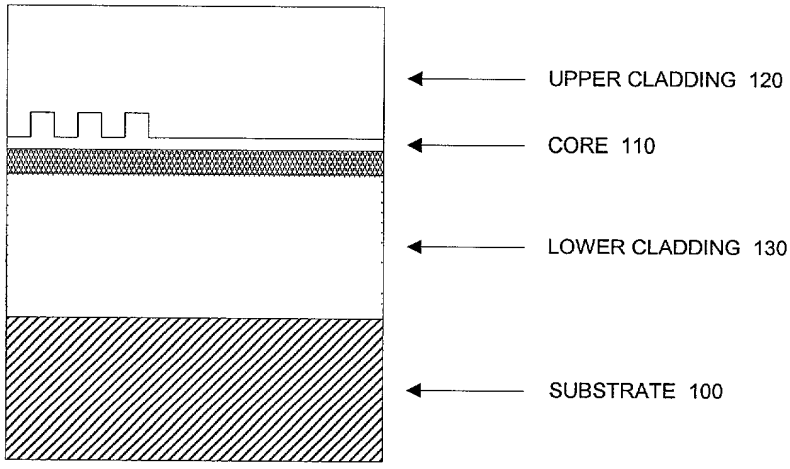

UPPER CLADDING 120
CORE 110
LOWER CLADDING 130
SUBSTRATE 100

Figure 2

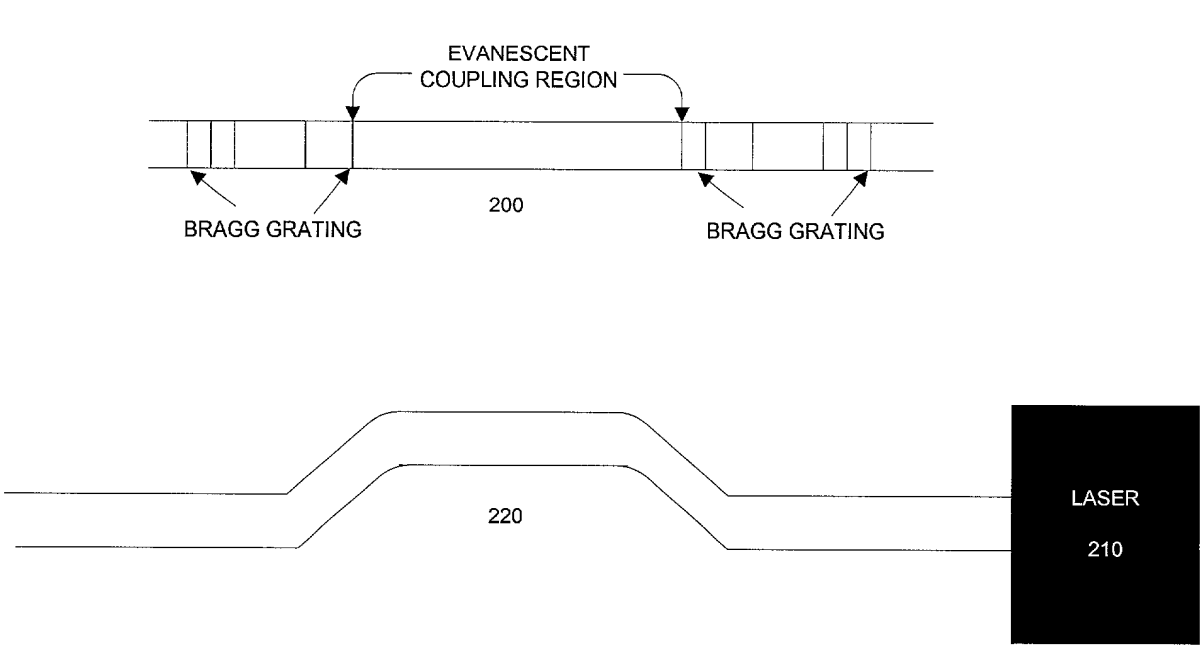

EVANESCENT
COUPLING REGION
BRAGG GRATING
200
BRAGG GRATING
220
LASER
210

Figure 3

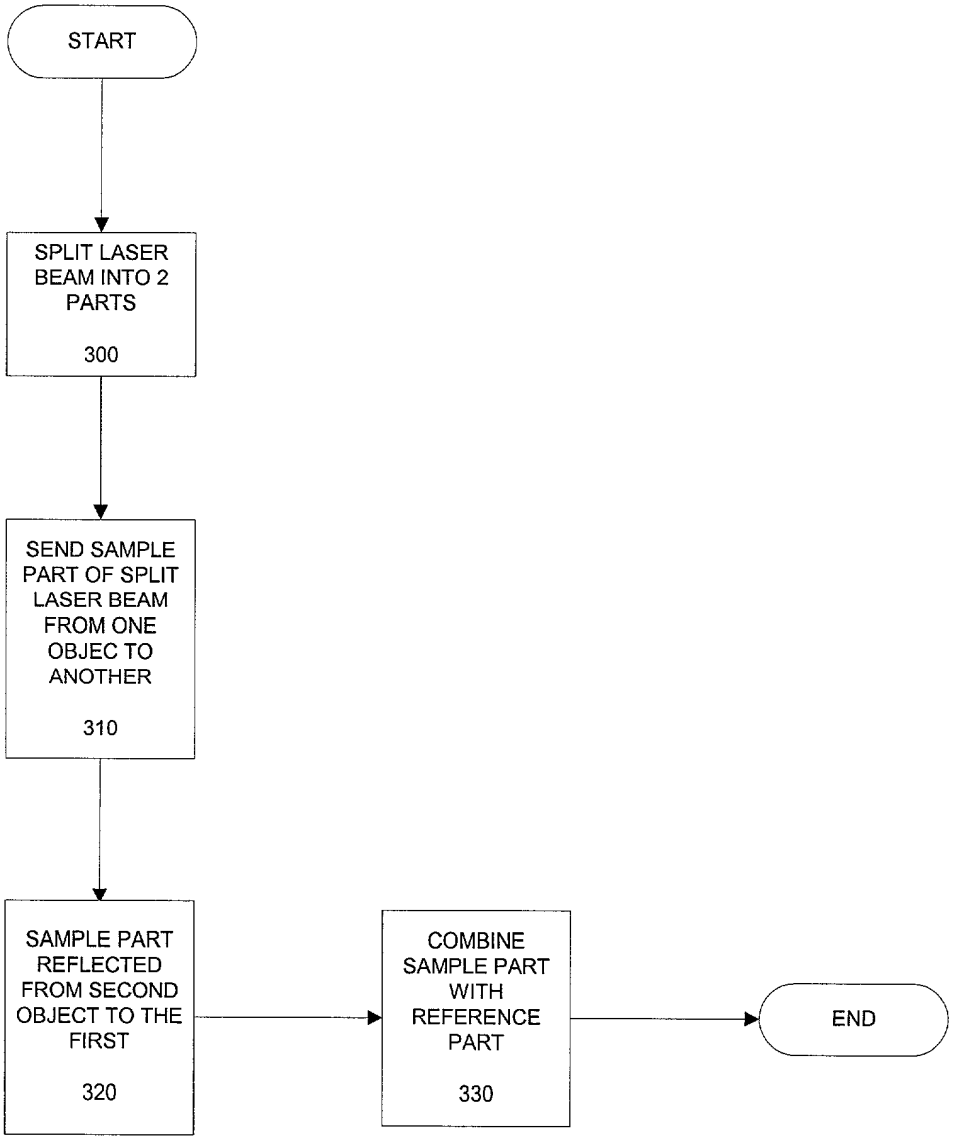

START
SPLIT LASER BEAM INTO 2 PARTS
300
SEND SAMPLE PART OF SPLIT LASER BEAM FROM ONE OBJEC TO ANOTHER
310
SAMPLE PART REFLECTED FROM SECOND OBJECT TO THE FIRST
320
COMBINE SAMPLE PART WITH REFERENCE PART
330
END

Figure 4

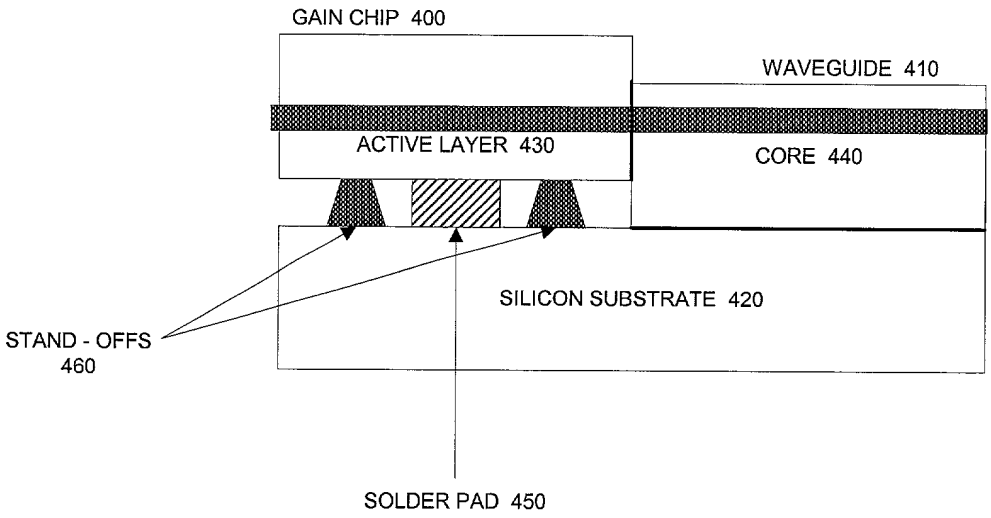
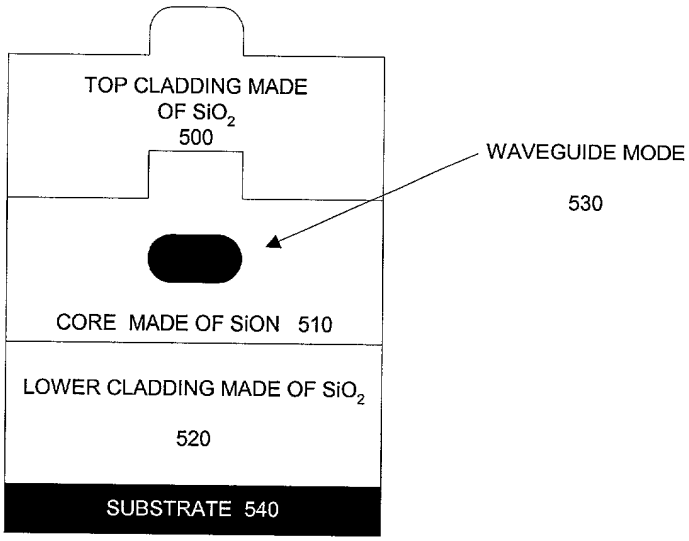

GAIN CHIP 400
WAVEGUIDE 410
ACTIVE LAYER 430
CORE 440
SILICON SUBSTRATE 420
STAND - OFFS
460
SOLDER PAD 450

Figure 5


TOP CLADDING MADE OF SiO_2 500
WAVEGUIDE MODE 530
CORE MADE OF SiON 510
LOWER CLADDING MADE OF SiO_2 520
SUBSTRATE 540